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DIVISION OF PUBLICATIONS—Circular 15.

JOS. A. ARNOLD, Editor and Chief.

WASHINGTON, D. C., *November 9, 1912.*

PUBLICATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

NOTE.—Application for publications in this list should be made to the Editor and Chief of the Division of Publicatons, Unted States Department of Agriculture, Washington, D. C. The editions of some of the publications are necessarily limited, and when the supply is exhausted and no funds are available for procuring additional copies, applicants are referred to the Superintendent of Documents, Government Printing Office, who has them for sale at a nominal price, under the law of January 12, 1895. Applicants are urgently requested to ask only for those publications in which they are particularly interested. The department can not undertake to supply complete sets, nor is it allowable to send more than one copy of any publication to an applicant.

[In applying for these publications, the name of the bureau as well as the full title or number of the publication should be given.]

REPORTS.

ANNUAL REPORTS OF THE BUREAU.

(These reports are volumes of several hundred pages, with illustrations, and contain special articles and miscellaneous information.)

Twenty-fourth Annual Report, for the Year 1907.
Twenty-fifth Annual Report, for the Year 1908.
Twenty-sixth Annual Report, for the Year 1909.
Twenty-seventh Annual Report, for the Year 1910.

REPORTS OF THE CHIEF.

These are administrative reports in pamphlet form and are included in the Bureau of Annual Reports. They can be supplied separately for the following fiscal years: 1889, 1890, 1891, 1895, 1896, 1897, 1898, 1899, 1901, 1902, 1903, 1905, 1906, 1908, 1909, 1910.

LIVE STOCK—BREEDING, FEEDING, ETC.

CATTLE.

Bul. 129. Cattle Breeders' Associations in Denmark.
Bul. 131. Beef Production in Alabama. I. Cost of Raising Cattle. II. Wintering Steers Preparatory to Summer Fattening. III. Fattening Cattle on Pasture.
Bul. 147. Fattening Calves in Alabama.

F. B. 55. The Dairy Herd: Its Formation and Management.
F. B. 106. Breeds of Dairy Cattle.
F. B. 350. The Dehorning of Cattle.
Animals Imported for Breeding Purposes for which Certificates of Pure Breeding Have Been Issued by the Bureau of Animal Industry. Cattle. January 1 to March 31, 1911.
Same, April 1 to June 30, 1911.
Same, July 1 to September 30, 1911.
Same, October 1 to December 31, 1911.

HORSES.

Circ. 124. Suggestions for Horse and Mule Raising in the South.
Circ. 163. The Regeneration of the Morgan Horse.
Circ. 168. A Note on the Feeding Value of Coconut and Peanut Meals for Horses.
Circ. 178. Breeding Horses for the United States Army.
Circ. 186. The Army Remount Problem.
F. B. 179. Horseshoeing.
Animals Imported for Breeding Purposes for which Certificates of Pure Breeding Have Been Issued by the Bureau of Animal Industry. Horses. January 1 to March 31, 1911.
Same, April 1 to June 30, 1911.
Same, July 1 to September 30, 1911.
Same, October 1 to December 31, 1911.

HOGS.

Circ. 63. A Review of Some Experimental Work in Pig Feeding.
F. B. 205. Pig Management.
F. B. 411. Feeding Hogs in the South.
F. B. 438. Hog Houses.

SHEEP AND GOATS.

F. B. 137. The Angora Goat.

MISCELLANEOUS.

Circ. 164. State Live-Stock Sanitary Officers.
Circ. 177. Information for Importers of Animals for Breeding Purposes.
F. B. 346. The Computation of Rations for Farm Animals by the Use of Energy Values.
F. B. 480. Practical Methods of Disinfecting Stables.
F. B. 481. Concrete Construction on the Live-Stock Farm.
Notes on the Animal Industry of Argentina. (Reprint from Twenty-fifth Annual Report.)
The Ancestry of Domesticated Cattle. (Reprint from Twenty-seventh Annual Report.)
The Principles of Breeding and the Origin of Domesticated Breeds of Animals. (Reprint from Twenty-seventh Annual Report.)

DISEASES OF ANIMALS.

CATTLE.

(See also Tuberculosis.)

Bul. 130. Studies on the Biology of the Texas Fever Tick.
Bul. 144. Investigations Relative to Arsenical Dips as Remedies for Cattle Ticks.
Bul. 152. Studies on the Biology of the Texas Fever Tick.

Circ. 23. Directions for the Use of Blackleg Vaccine.
Circ. 31 (revised). Blackleg: Its Nature, Cause, and Prevention.
Circ. 51. Mycotic Stomatitis of Cattle.
Circ. 65. Ophthalmia in Cattle.
Circ. 66. Osteomalacia, or Creeps, in Cattle.
Circ. 68. Diseases of the Stomach and Bowels of Cattle.
Circ. 148. A Practical Demonstration of a Method for Controlling the Cattle Tick.
Circ. 156. Chronic Bacterial Dysentery of Cattle.
Circ. 169. A Study of Surra Found in an Importation of Cattle.
Circ. 174. Eradicating Cattle Ticks in California.
Circ. 183. Directions for Constructing a Vat and Dipping Cattle to Destroy Ticks.
Circ. 187. Progress and Prospects of Tick Eradication.
Circ. 196. Some Results of Cattle Tick Eradication.
Circ. 207. Directions for Constructing Vats and Dipping Cattle to Destroy Ticks.
F. B. 152. Scabies in Cattle.
F. B. 206. Milk Fever: Its Simple and Successful Treatment.
F. B. 258. Texas or Tick Fever and Its Prevention.
F. B. 498. Methods of Exterminating the Texas Fever Tick.

HORSES.

Bul. 142. Dourine of Horses: Its Cause and Suppression.
Circ. 122. Epizootic Cerebro-Spinal Meningitis of Horses.
Circ. 138. Infectious Anemia or Swamp Fever of Horses.
Circ. 155. Mycotic Lymphangitis of Horses.
Circ. 191. Various Methods for the Diagnosis of Glanders.

HOGS.

Bul. 102. Further Experiments Concerning the Production of Immunity from Hog Cholera.
Circ. 108. Trichinosis: A Danger in the Use of Raw Pork for Food.
F. B. 379. Hog Cholera.
Control of Hog Cholera by Serum Immunization. (Reprint from Twenty-fifth Annual Report.)
Field Tests with Serum for the Prevention of Hog Cholera. (Reprint from Twenty-fifth Annual Report.)

SHEEP AND GOATS.

Bul. 125. The Gid Parasite and Allied Species of the Cestode Genus *Multiceps*. Part I. Historical Review.
Circ. 102. Stomach Worms (*Hæmonchus contortus*) in Sheep.
Circ. 159. Some Important Facts in the Life History of the Gid Parasite and Their Bearing on the Prevention of Disease.
Circ. 160. Lip-and-Leg Ulceration of Sheep.
Malta Fever and the Maltese Goat Importation. (Reprint from Twenty-fifth Annual Report.)
The 1908 Outbreak of the Foot-and-Mouth Disease in the United States. (Reprint from Twenty-fifth Annual Report.)

TUBERCULOSIS.

Bul. 93. The Relation of Tuberculous Lesions to the Mode of Infection.
Circ. 70. Tuberculosis of Cattle.
Circ. 175. The Control of Bovine Tuberculosis.

Circ. 190. The Vaccination of Cattle Against Tuberculosis.
Circ. 201. Tuberculosis of Hogs.
F. B. 351. The Tuberculin Test of Cattle for Tuberculosis.
F. B. 473. Tuberculosis.
Ybk. Sep. 131. The Preparation and Use of Tuberculin.
Ybk. Sep. 532. The Eradication of Cattle Tuberculosis in the District of Columbia.

MISCELLANEOUS.

Bul. 137. Anthrax, with Special Reference to the Production of Immunity.
Circ. 71. Anthrax in Cattle, Horses, and Men.
Circ. 89. The Preparation of Emulsions of Crude Petroleum.
Circ. 91. Bacillus Necrophorus and Its Economic Importance.
Circ. 120. Some Observations on Rabies.
Circ. 129. Rabies and Its Increasing Prevalence.
Circ. 147. The Origin of the Recent Outbreak of Foot-and-Mouth Disease in the United States.
Circ. 192. The Regional Lymph Glands of Food-producing Animals.
F. B. 380. The Loco-Weed Disease.
F. B. 439. Anthrax, with Special Reference to Its Suppression.
F. B. 449. Rabies or Hydrophobia.
The Relation of the Tuberculous Cow to Public Health. (Reprint from Twenty-fifth Annual Report.)

ANIMAL PARASITES.

Bul. 39. Index-Catalogue of Medical and Veterinary Zoology. Parts 6 to 10. Authors: F to Hyrtl.
Same, Parts 12 to 13. Authors: K to Kynsey.
Same, Part 16. Authors: Von Linden to Lyutkevich.
Same, Parts 20 to 35. Authors: N to Zypkin.
Same, Part 36. Addenda and Corrigenda to Parts 1 to 35.
Bul. 119. Studies on Blood and Blood Parasites. I. Observations on Mammalian Blood with Dark-Field Illumination. II. The Priority of *Crytobia* Leidy, 1846, over *Trypanoplasma* Laveran and Mesnil, 1901. III. *Trypanosoma americanum* n. sp., a Trypanosome Which Appears in Cultures Made from the Blood of American Cattle.
Bul. 125. The Gid Parasite and Allied Species of the Cestode Genus *Multiceps*. Part I. Historical Review.
Bul. 127. The Nematodes Parasitic in the Alimentary Tract of Cattle, Sheep, and Other Ruminants.
Bul. 135. A Comparative Study of Methods of Examining Feces for Evidences of Parasitism.
Bul. 153. The Action of Anthelmintics on Parasites Located Outside of the Alimentary Canal.
Bul. 158. The Roundworms of Domestic Swine, with Special Reference to Two Species Parasitic in the Stomach.
Circ. 14. Check List of the Animal Parasites of Geese.
Circ. 15. Check List of the Animal Parasites of Pigeons.
Circ. 102. Stomach Worms (*Hæmonchus contortus*) in Sheep.
Circ. 159. Some Important Facts in the Life History of the Gid Parasite and Their Bearing on the Prevention of Disease.
Circ. 193. Our Present Knowledge of the Distribution and Importance of Some Parasitic Diseases of Sheep and Cattle in the United States.
Circ. 194. The Protozoan Parasites of Domesticated Animals.

THE DAIRY INDUSTRY.

Bul. 11. Statistics of the Dairy, Compiled from the United States Census and Other Reliable Sources. (1896.)
Circ. 126. The Importance of Keeping Dairy Records.
Circ. 131. Designs for Dairy Buildings.
Circ. 139. The Score-Card System of Dairy Inspection.
Circ. 153. The Dissemination of Disease by Dairy Products and Methods for Prevention.
Circ. 162. Officials, Organizations, and Educational Institutions Connected with the Dairy Interests. (1910.)
Circ. 179. Cow-Testing Associations.
Circ. 188. Increasing Creamery Profits, by Handling Special Products, and Utilizing By-Products.
Circ. 195. A Plan for a Small Dairy House.
Circ. 199. The Score-Card System of Dairy Inspection.
Circ. 204. Officials, Organizations, and Educational Institutions Connected with the Dairy Interests. (1912.)
F. B. 55. The Dairy Herd: Its Formation and Management.
F. B. 106. Breeds of Dairy Cattle.
F. B. 349. The Dairy Industry in the South.

MILK AND CREAM.

Bul. 20. The Milk Supply of Boston and Other New England Cities.
Bul. 104. Medical Milk Commissions and the Production of Certified Milk in the United States.
Bul. 117. Leucocytes in Milk: Methods of Determination and the Effect of Heat Upon Their Number.
Bul. 126. The Bacteriology of Commercially Pasteurized and Raw Market Milk.
Bul. 134. The Estimation of Total Solids in Milk by the Use of Formulas.
Bul. 154. Methods of Classifying the Lactic-Acid Bacteria.
Circ. 114. Sanitary Milk Production.
Circ. 142. Some Important Factors in the Production of Sanitary Milk.
Circ. 158. Improved Methods for the Production of Market Milk by Ordinary Dairies.
Circ. 170. The Extra Cost of Producing Clean Milk.
Circ. 171. Fermented Milks.
Circ. 184. The Pasteurization of Milk.
Circ. 197. Directions for the Home Pasteurization of Milk.
Circ. 205. Milk and Cream Contests: How to Conduct Them and How to Prepare Samples for Competition.
F. B. 490. Bacteria in Milk.
Ybk. Sep. 536. The Grading of Cream.
The Effect of Certain Diseases and Conditions of Cattle Upon the Milk Supply. (Reprint from Twenty-fourth Annual Report.)

BUTTER.

Bul. 148. The Manufacture of Butter for Storage.
Bul. 149. The Normal Composition of American Creamery Butter.
Circ. 146. Fishy Flavor in Butter.
Circ. 161. Whey Butter.
Circ. 189. The Temperature of Pasteurization for Butter Making.
Circ. 200. A Simple Butter Color Standard.
F. B. 241. Butter Making on the Farm.

CHEESE.

Bul. 15. The Cheese Industry of the State of New York.
Bul. 82. Fungi in Cheese Ripening; Camembert and Roquefort.
Bul. 98. Investigations in the Manufacture and Curing of Cheese. VII.—Directions for Making the Camembert Type of Cheese.
Bul. 109. Proteolytic Changes in the Ripening of Camembert Cheese.
Bul. 115. Camembert Cheese Problems in the United States.
Bul. 118. Cultural Studies of Species of Penicillium.
Bul. 120. The Intracellular Enzyms of Penicillium and Aspergillus, with Special Reference to Those of *Penicillium camemberti.*
Bul. 122. Factors Controlling the Moisture Content of Cheese Curds.
Bul. 123. The Influence of Lactic Acid on the Quality of Cheese of the Cheddar Type.
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POULTRY AND EGGS.

Bul. 140. Fattening Poultry.
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Circ. 119. Notes on Experiments with Blackhead of Turkeys.
Circ. 128. White Diarrhea of Chicks. With Notes on Coccidiosis of Birds.
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F. B. 64. Ducks and Geese: Standard Varieties and Management.
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F. B. 236. Incubation and Incubators.
F. B. 287. Poultry Management.
F. B. 357. Methods of Poultry Management at the Maine Agricultural Experiment Station.
F. B. 445. Marketing Eggs Through the Creamery.
F. B. 452. Capons and Caponizing.
Ybk. Sep. 584. The Handling and Marketing of Eggs.

MEAT INSPECTION, MEAT PRODUCTS, ETC.

Bul. 50. German Meat Regulations. (With original text.)
Bul. 132. A Bacteriological Study of Ham Souring.
Circ. 108. Trichinosis: A Danger in the Use of Raw Pork for Food.
Circ. 125. Federal Meat Inspection Service.
Circ. 150. Regulations Governing Entrance to the Veterinary Inspector Examination.
Circ. 150a. A list of Accredited Veterinary Colleges. Revision of List Contained in Regulation XXIV, Circular 150.
Circ. 154. The Need of State and Municipal Meat Inspection to Supplement Federal Inspection.
Circ. 173. The Sanitary Construction and Equipment of Abattoirs and Packing Houses.
Circ. 185. State and Municipal Meat Inspection and Municipal Slaughterhouses.

Circ. 203. A Method for the Determination of Starch in Meat Food Products.
F. B. 183. Meat on the Farm: Butchering, Curing, and Keeping.
Ybk. Sep. 577. Commercial Methods of Canning Meats.
Order 150. Regulations Governing the Meat Inspection of the United States Department of Agriculture.
Amendments 1 and 2 to same.
Instructions Concerning Trade Labels Under the Meat-Inspection Law and Regulations.
A Study of Methods of Canning Meats, with Reference to the Proper Disposal of Defective Cans. (Reprint from Twenty-fourth Annual Report.)
Report of a Commission on Certain Features of the Federal Meat-Inspection Regulations. (Reprint from Twenty-fourth Annual Report.)

MISCELLANEOUS.

Bul. 22. Proceedings of the Second Annual Meeting of the Association of Experiment Station Veterinarians, held at Omaha, Nebr., September 8, 1898.
Bul. 124. Methods and Standards in Bomb Calorimetry.
Bul. 133. Determination of Nicotin in Nicotin Solutions and Tobacco Extracts.
Circ. 123. Instructions for Preparing and Shipping Pathological Specimens for Diagnosis.
Circ. 133. Report and Recommendations Regarding Veterinary Colleges in the United States.
Circ. 149. A Cold-Storage Evaporimeter.
Circ. 172. The Ostrich Industry in the United States.
Circ. 177. Information for Importers of Animals for Breeding Purposes.
Circ. 179. Cow-Testing Associations.
Circ. 180. A Method for the Separation of the Seven Permitted Coal-Tar Colors When Occurring in Mixtures.
F. B. 345. Some Common Disinfectants.
F. B. 480. Practical Methods of Disinfecting Stables.
Ybk. Sep. 130. Cattle Dipping: Experimental and Practical.
The Use of Metallic Containers for Edible Fats and Oils. (Reprint from Twenty-sixth Annual Report.)

REGULATIONS.

Regulations are issued by the Secretary of Agriculture with regard to meat inspection, live-stock quarantine, the interstate movement and exportation of live stock, the inspection and quarantine of imported animals, the certification of pure-bred animals imported for breeding purposes, the inspection of renovated butter, etc. As these regulations are subject to frequent change, no list is given here. Persons desiring copies of the regulations on any of these subjects should apply to the Chief of the Bureau of Animal Industry, United States Department of Agriculture, Washington, D. C., and the current regulations will be sent.

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